



ATTORNEY DOCKET NO.: AUR04-01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Jeffrey R. LaFranchise, Vincent Palermo, and Charles M. Marshall  
Serial No.: 10/782,541  
For: METHODS AND APPARATUS TO DETECT LOCATION AND  
ORIENTATION IN AN INDUCTIVE SYSTEM  
Filing Date: February 18, 2004  
Examiner: Unassigned  
Art Unit: 2632  
Conf. No.: 3228

**Certificate of Mailing Under 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: **MAIL STOP AMENDMENT**, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450 on:

Date: January 13, 2005

By: Mary A. Maietta

(Typed or printed name of person mailing  
Document, whose signature appears below)

Signature: Mary A. Maietta

**MAIL STOP AMENDMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

**TRANSMITTAL LETTER**

Sir:

Enclosed is/are:

- [x] Transmittal Letter (this form, 2 pages, in duplicate), Total Pages: 4;
- [x] Information Disclosure Statement, Total Pages: 3;
- [x] PTO-1449 Form, Total Pages: 3;
- [x] A Copy of the cited references are enclosed except for those which qualify under 37 CFR 1.98(a)(2)(i), Total Hard Copy(ies) Provided: 8;
- [x] Return Receipt Pre-paid Postcard (in duplicate), Total Postcards: 2;
- [x] Authorization to charge Deposit Account No. 50-0901, if required.

U.S. Application No.: 10/782,541

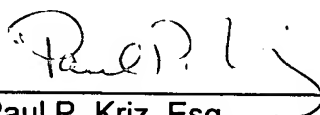
Attorney Docket No.: AUR04-01

- 2 -

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600, in Westborough, Massachusetts.

Respectfully submitted,



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Paul P. Kriz, Esq.  
U.S.P.T.O. Registration No.: 45,752  
Attorney for Applicant  
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1700 West Park Drive  
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Attorney Docket No.: AUR04-01

Dated: January 13, 2005



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Signature: *Mary A. Maietta*

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**MAIL STOP AMENDMENT**  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or (If IDS filed as first/second submission after Final Rejection);

☒ under 37 CFR 1.97(b), or (If IDS Filed within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last);

- 2 -

- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
  - ☐ a \$180.00 fee under 37 CFR 1.17(p), or (If filed after the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
  - ☐ a Petition under 37 CFR 1.97(d)(2), and
  - ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i). (If IDS filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
  - ☐ Applicant requests that the attached IDS and cited reference(s) be placed in the application filewrapper. (If IDS filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is Form PTO-1449:

- ☒ Copy of the cited references are enclosed except for those which qualify under 37 CFR 1.98(a)(2)(i).
- ☐ Copy of cited references are enclosed except those entered in a prior application, having U.S. Serial No. \_\_\_\_\_, and references that are not required to be submitted under 37 CFR 1.98.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

- 3 -

- [X] Pursuant to the Official Gazette Notice of August 5, 2003 the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication is waived for all U.S. national patent applications filed after June 30, 2003.

Concise Explanation Requirement (required for non-English references):

- [ ] The "concise explanation" requirement for reference(s) under 37 CFR 1.98(a)(3) is satisfied by:
- [ ] the explanation provided on the attached sheet.
  - [ ] the explanation provided in the Specification.
  - [ ] submission of the enclosed International Search Report.
  - [ ] the enclosed English language abstract.

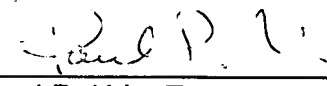
It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- [X] No fee is required for this Information Disclosure Statement.
- [ ] Enclosed is a check for \$180.00, which covers the Information Disclosure Fee.
- [ ] A copy of this Statement is enclosed.

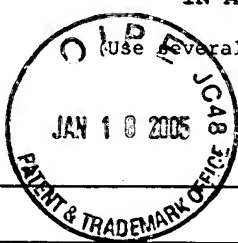
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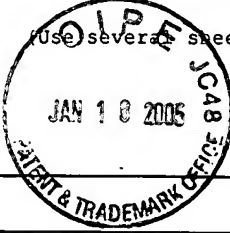
Respectfully submitted,

  
\_\_\_\_\_  
Paul P. Kriz, Esq.  
U.S.P.T.O. Registration No.: 45,752  
Attorney for Applicant  
CHAPIN & HUANG, L.L.C.  
Westborough Office Park  
1700 West Park Drive  
Westborough, Massachusetts 01581  
Telephone: (508) 366-9600  
Facsimile: (508) 616-9805

Attorney Docket No.: AUR04-01

Dated: January 13, 2005

FTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)  				ATTORNEY DOCKET NO.  <b>AUR04-01</b>		APPLICATION SERIAL NO.  <b>10/782,541</b>	
APPLICANT <b>Jeffrey R. LaFranchise, et al.</b>							
FILING DATE <b>February 18, 2004</b>						GROUP <b>2632</b>	
<b>U. S. PATENT DOCUMENTS</b>							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE mm/dd/yy	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	3,617,890	11/02/71	Kurauchi, et al.	325	51	01/11/68
	AB	3,898,565	08/05/75	Takeuchi, et al.	325	28	10/18/73
	AC	4,061,972	12/06/77	Burgess	455	41.1	10/20/76
	AD	4,117,271	09/26/78	Teeter, et al.	380	52	01/10/77
	AE	4,160,952	07/10/79	Seastrand, Jr.	455	276.1	05/12/78
	AF	4,298,874	11/03/81	Kuipers	342	463	10/24/78
	AG	4,334,315	06/08/82	Ono, et al.	455	11.1	05/05/80
	AH	4,334,316	06/08/82	Tanaka	455	139	10/28/80
	AI	4,373,207	02/08/83	Hecken	455	139	12/17/80
	AJ	4,373,210	02/08/83	Karabinis, et al.	455	273	03/27/81
	AK	4,442,434	04/10/84	Baekgaard	343	701	03/13/81
	AL	4,489,330	12/18/84	Marutake, et al.	343	742	09/22/82
	AM	4,513,412	04/23/85	Cox	370	203	04/25/83
	AN	4,542,532	09/17/85	McQuilkin	455	78	03/09/84
	AO	4,584,707	04/22/86	Goldberg, et al.	455	41.2	01/22/85
	AP	4,600,829	07/15/86	Walton	235	439	04/02/84
	AQ	4,633,519	12/30/86	Gotoh, et al.	455	277.2	04/02/84
	AR	4,642,768	02/10/87	Roberts	705	4	03/08/84
	AS	4,647,722	03/03/87	Nishida, et al.	455	566	09/27/85
	AT	4,654,883	03/31/87	Iwata	381	380	11/29/83
	AU	4,669,109	05/26/87	Le Cheviller, et al.	379	143	02/24/86
	AV	4,733,402	03/22/88	Monsen	375	347	04/23/87
	AW	4,747,158	05/24/88	Goldberg, et al.	455	11.1	10/01/86
	AX	4,752,776	06/21/88	Katzenstein	340	10.42	03/14/86
EXAMINER				DATE CONSIDERED			

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				ATTORNEY DOCKET NO.  <b>AUR04-01</b>		APPLICATION SERIAL NO.  <b>10/782,541</b>	
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				FILING DATE  <b>February 18, 2004</b>		GROUP  <b>2632</b>	
U. S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE mm/dd/yy	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
AY	4,845,751	07/04/89	Schwab	381	311	03/16/88	
AZ	4,918,737	04/17/90	Luethi	381	315	07/07/88	
BA	4,939,791	07/03/90	Bochmann, et al.	455	276.1	10/04/88	
BB	4,967,695	11/06/90	Giunta	119	721	06/23/89	
BC	5,054,112	10/01/91	Ike	455	41.1	03/07/89	
BD	5,247,293	09/21/93	Nakagawa	340	825.25	05/08/91	
BE	5,276,686	01/04/94	Ito	370	330	10/17/91	
BF	5,276,920	01/04/94	Kuisma	455	101	01/07/91	
BG	5,390,357	02/14/95	Nobusawa, et al.	455	134	08/28/92	
BH	5,437,057	07/25/95	Richley, et al.	455	41.1	12/03/92	
BI	5,453,686	09/26/95	Anderson	324	207.17	04/08/93	
BJ	5,553,312	09/03/96	Gathey, et al.	455	11.1	06/20/94	
BK	5,568,516	10/22/96	Strohallen, et al.	375	259	10/03/94	
BL	5,596,638	01/21/97	Paterson, et al.	455	575.2	06/06/95	
BM	5,600,330	02/04/97	Blood	342	463	07/12/94	
BN	5,615,229	03/25/97	Sharma, et al.	375	259	07/02/93	
BO	5,722,050	02/24/98	Chen	455	66.1	04/17/96	
BP	5,771,438	06/23/98	Palermo, et al.	455	41.1	03/26/97	
BQ	5,912,925	06/15/99	Palermo, et al.	375	258	08/13/96	
BR	5,982,764	11/09/99	Palermo, et al.	370	345	04/23/97	
BS	6,819,762	11/16/04	Jones, et al.	379	430	09/10/01	
BT	6,459,882	10/01/02	Palermo, et al.	455	41.1	04/01/98	
BU	US 2002/0160722 A1	10/31/02	Terranova, et al.	455	73	12/03/01	
EXAMINER			DATE CONSIDERED				

PTO-1449 REDUCED		ATTORNEY DOCKET NO.  AUR04-01		APPLICATION SERIAL NO.  10/782,541				
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		APPLICANT  Jeffrey R. LaFranchise, et al.						
		FILING DATE February 18, 2004		GROUP 2632				
		FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO
	BV	0 296 092	12/21/88	European	H 04 B	5/00	X	
	BW	EP 0 700 184 B1	03/06/96	European	H04L	7/08	X	
	BX	1,164,281	09/16/66	United Kingdom	H 04 b	5/00	X	
	BY	GB 2 197 160	05/11/88	United Kingdom	H04B	5/02	X	
	BZ	GB 2 277 422	10/26/94	United Kingdom	H04M	1/05	X	
	CA	WO 92/17991	10/15/92	PCT	H04R	25/00	X	
	CB	WO 96/10878	04/11/96	PCT	H04L	27/00	X	
	CC	WO 96/37052	11/21/96	PCT	H04B	5/02	X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER				DATE CONSIDERED				